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| 1 | Claims | |
|------------|--------|---|
| 2 | | |
| 3 | 1. | A method of controlling serum glucose levels in |
| 4 | | an individual, said method including the step |
| ~ 5 | | of administering to said individual a |
| 6 | | therapeutic food composition comprising a waxy |
| 7 | | starch. |
| 8 | | |
| 9 | 2. | A method of treating or preventing |
| 10 | | hypoglycaemia in an individual, said method |
| 11 | | including the step of administering to said |
| 12 | | patient a therapeutic food composition |
| 13 | | comprising a waxy starch. |
| 14 | | |
| 15 | 3. | A method of treating an individual susceptible |
| 16 | | to hypoglycaemic episodes to prevent or |
| 17 | | decrease hypoglycaemic episode(s), said method |
| 18 | | including the step of administering to said |
| 19 | | individual a therapeutic food composition |
| 20 | | comprising a waxy starch. |
| 21 | | |
| 22 | 4. | The method according to any one of claims 1 to |
| 23 | | 3 wherein said waxy starch is hydrothermally |
| 24 | | treated starch. |
| 25 | | |
| 26 | 5. | The method according to claim 4, wherein said |
| 27 | | hydrothermally treated starch is heat moisture |
| 28 | | treated starch. |
| 29 | | |
| 30 | 6. | A method of controlling serum glucose levels in |
| 31 | | an individual said method including the step of |
| 32 | | administering to said individual a therapeutic |

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| 1 | | food composition comprising a hydrothermally |
|-----|-----|--|
| 2 | | treated starch. |
| 3 | | |
| 4 | 7. | A method of treating or preventing |
| 5 | | hypoglycaemia in an individual, said method |
| 6 | | including the step of administering to said |
| 7 | | patient a therapeutic food composition |
| 8 | | comprising a hydrothermally treated starch. |
| 9 . | | |
| 10 | 8. | A method of treating an individual susceptible |
| 11 | | to hypoglycaemic episodes to prevent or |
| 12 | | decrease hypoglycaemic episode(s), said method |
| 13 | | including the step of administering to said |
| 14 | | individual a therapeutic food composition |
| 15 | | comprising a hydrothermally treated starch. |
| 16 | | |
| 17 | 9. | The method according to any one of claims 6 to |
| 18 | | 8, wherein said hydrothermally treated starch |
| 19 | | is heat moisture treated starch. |
| 20 | | |
| 21 | 10. | The method according to any one of the |
| 22 | | preceding claims, wherein said individual has |
| 23 | | glycogen storage disease. |
| 24 | | |
| 25 | 11. | The method according to any one of 1 to 9, |
| 26 | | wherein said individual has Type I or Type II |
| 27 | | diabetes. |
| 28 | | |
| 29 | 12. | The method according to any one of 1 to 9, |
| 30 | | wherein said individual has liver disease. |
| 31 | | |

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| 1 | 13. | The method according to any one of the |
|----|-----|---|
| 2 | | preceding claims wherein the starch has an |
| 3 | | amylopectin content of at least 80%. |
| 4 | | |
| 5 | 14. | The method according to any one of the |
| 6 | | preceding claims, wherein the starch is waxy |
| 7 | | maize starch. |
| 8 | | |
| 9 | 15. | The method according to any one of the |
| 10 | | preceding claims wherein said therapeutic food |
| 11 | | composition comprises per unit sufficient |
| 12 | | starch to maintain blood glucose concentration |
| 13 | | of greater than 3.0 mmol 1^{-1} at 300 min post |
| 14 | | administration. |
| 15 | | |
| 16 | 16. | The method according to claim 10, wherein said |
| 17 | | therapeutic food composition comprises per unit |
| 18 | | sufficient starch to maintain blood glucose |
| 19 | | concentration of greater than 2.25 mmol 1^{-1} at |
| 20 | | 450 min post administration. |
| 21 | | |
| 22 | 17. | The method according to any one of the |
| 23 | | preceding claims wherein said therapeutic food |
| 24 | | composition comprises per unit dose greater |
| 25 | | than 50 g of starch. |
| 26 | | |
| 27 | 18. | Use of a starch in the preparation of a |
| 28 | | therapeutic foodstuff for the treatment of |
| 29 | | hypoglycaemia, wherein said starch is waxy |
| 30 | | and/or hydrothermally treated starch. |
| 31 | | |
| | | |

| 1 | 19. | Use of a starch in the preparation of a |
|----|-----|---|
| 2 | | therapeutic foodstuff for the treatment or |
| 3 | | prevention of hypoglycaemic episode(s), wherein |
| 4 | | said starch is waxy and/or hydrothermally |
| 5 | | treated starch. |
| 6 | | |
| 7 | 20. | The use according to claim 18 or claim 19, |
| 8 | | wherein said starch is heat moisture treated |
| 9 | | starch. |
| LO | | |
| L1 | 21. | The use according to any one of claims 18 to 20 |
| L2 | | wherein said individual has glycogen storage |
| 13 | | disease. |
| 14 | | |
| 15 | 22. | The use according to any one of claims 18 to |
| 16 | | 20, wherein said individual has Type I or Type |
| 17 | | II diabetes. |
| 18 | | |
| 19 | 23. | The use according to any one of claims 18 to |
| 20 | | 20, wherein said individual has liver disease |
| 21 | | |
| 22 | 24. | |
| 23 | | wherein the semi-crystalline starch is a "waxy |
| 24 | | starch". |
| 25 | | |
| 26 | 25. | The use according to any one of claims 18 to 24 |
| 27 | | wherein the semi-crystalline starch has an |
| 28 | | amylopectin content of at least 70%, preferably |
| 29 | | at least 80%. |
| 30 | | |
| 31 | 26. | The use according to any one of claims 18 to |
| 32 | | 25, wherein the semi-crystalline starch is waxy |

| | maize starch. |
|-----|--|
| | |
| 27. | The use according to any one of claims 18 to 26 |
| | wherein said therapeutic food composition |
| | comprises per unit sufficient starch to |
| | maintain blood glucose concentration of greater |
| | than 3.0 mmol 1^{-1} at 300 min post |
| | administration. |
| | |
| 28. | The use according to claim 27, wherein said |
| | therapeutic food composition comprises per unit |
| | sufficient semi-crystalline starch to maintain |
| | blood glucose concentration of greater than 3.0 |
| | mmol 1^{-1} at 390 min post administration. |
| | |
| 29. | The use according to claim 27 or claim 28, |
| | wherein said therapeutic food composition |
| | comprises per unit sufficient semi-crystalline |
| | starch to maintain blood glucose concentration |
| | of greater than 2.25 mmol 1^{-1} at 450 min post |
| | administration. |
| | |
| 30. | |
| | wherein said therapeutic food composition |
| | comprises per unit dose greater than 50 g of |
| | semi-crystalline starch. |
| | |
| 31. | A therapeutic food kit, said food kit |
| | comprising: |
| | a) a therapeutic food composition as defined in |
| | any one of claims 1 to 17; and |
| | b) instructions for ingesting said therapeutic |
| | 29. |

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| 1 | | food composition. |
|----|-----|---|
| 2 | | |
| 3 | 32. | Use of a starch in the preparation of sports |
| 4 | | nutrition foodstuff, wherein said starch is a |
| 5 | | waxy and/or hydrothermally treated starch. |
| 6 | | |
| 7 | 33. | A sports nutrition foodstuff comprising a |
| 8 | | starch, wherein said starch is a waxy and/or |
| 9 | | hydrothermally treated starch. |
| 10 | | · |
| 11 | | |